YNK-DBR No. 83
Date. 04.09.2020

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

AEE/YNK SUB. DN
SBR No: 27/20-21
Date: 11/9/2020

No. 1st & Part Bill
Division: EE (Yelahanka Division – Yelahanka Zone) Sub Division: Yelahanka Sub Division
Bill Received No.....Dated.....Cash Book Voucher No.....dated.....
Scheduled Docket No.

Name of Work (as per sanctioned estimate): Improvements to Burial Ground at Yelahanka and Kenchenahalli in Ward No.01 & 02 of Yelahanka Sub Division (PACKAGE-03)

P-3291

Reference to Agreement No. BBMP/EE/YNK.D/EPMT-15/AG/6/2020-21, Date: 07-05-2020
Work order No: BBMP/EE/YNK.D/EPMT-15/W.O/22/2020-21, Date: 19-05-2020
Est. cost: 150.00 lakhs
Job Code: 001-20-0000028 Budget head: 14th Finance
Name of Contractor and Full Address: Sri.Rajeswaren Satheesh (Sathya Constructions)
Certified that the measurements were taken by me on 31/8/2020 and recorded of Pages: 494814o 494829 of measurement Book No: 4949 and that the work is satisfactorily executed.

Contractor R.

Officer-in-charge of work

Certified that the measurements were verified by me on 31/08/2020 and found correct.
The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Executive Engineer
Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn.)
Yelahanka, Bangalore

If Memorandum of Payment

1) Total value of work done or supplies made as per account with in
2) Deduct amount to be held in reserve being.....percent Rs.....
3) " Balance
4) Deduct Payments :
   a) Amount of previous payment as in the Office cash Book Voucher No.....Dated.....S.D. No.....
      Amount adjusted towards cash advance recovery of
   b) Payments cost store or other materials supplied.
      Now made recovery of amount creditable to this/other work
      Amount paid on this bill Cheque/Cash
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the Office Cash Book Voucher No.....dated.....less adjustments
7) Net amount due to or from contractor

Unadjusted items

8) Advance to contractor for materials brought to site (as detailed) within

Gross Amt Rs	7331337=00
FSD =Rs	—
CGST = Rs	65458=00
SGST = Rs	65458=00
IT = Rs	73314=00
LC = Rs	73314=00
CBF = Rs	7332=00
Royalty = Rs	30580=00
T.D. = Rs	315456=00
Net Amt Rs	7015881=00

R.
Contractor's Signature

Received Rs..... (In words)
.....
By Cash and by adjustment of Payment as per memorandum
Witnesses:

(For use in the Office)

1.
2.
Dated.....

R.
Signature of Contractor

Stamp
Audited & Admitted for Rs. 7331337=00
Seventy three lakh thirty one thousand three hundred thirty seven-
7015881=00 by Cheque
and Rs. 315456=00 by adjustment
Asst. Executive Engineer
Yelahanka Division
BBMP
Executive Engineer
Exe. Engineer
Yelahanka Division
BBMP

Paid by me by cheque
No.....Dated.....
Cash Rs.....Dated.....

Initials of Officer making payment

Sl. No.	Description of work	Unit	Schedule-B Quantity	Previous Measurement		Present Measurement					Remar
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
1	Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 KSRB 2-1.1: – do – Ordinary soil as per the directions of Engineer In Charge	Cum	3679.45			802.20	282.37	226518.20	802.20	226518.20	
2	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. By Mechanical Means. C. Prestressed / Reinforced cement concrete grade M-20 above as per the directions of Engineer In Charge	Cum	0.00			0.00	1801.93	0.00	0.00	0.00	
3	KSRRB M200-14.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. ii) Dismantling Brick / Tile work. A. In lime mortar. MORTH Specification No. 202 Dismantling brick/Tile work B. In cement mortar as per the directions of Engineer In Charge	Cum	0.00			0.00	398.03	0.00	0.00	0.00	
1	KSRRB M200-14.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. ii) Dismantling Brick / Tile work. A. In lime mortar. MORTH Specification No. 202 Dismantling brick/Tile work B. In cement mortar as per the directions of Engineer In Charge	Cum	0.00			0.00	398.03	0.00	0.00	0.00	

Sl. No.	Description of work	Unit	Schedule-B Quantity	Previous Measurement		Present Measurement			Total UP-to-		Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
5	KSRRB M200-15.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii) Dismantling Stone Masonry. Rubble stone masonry in cement mortar. as per the directions of Engineer In Charge	Cum	0.00			0.00	398.03	0.00	0.00	0.00	
6	KSRB 2-2 Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications as per the directions of Engineer In Charge	Cum	1032.19			611.15	339.07	207223.99	611.15	207223.99	
7	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications as per the directions of Engineer In Charge	Cum	722.53			424.67	137.21	58269.31	424.67	58269.31	
8	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS 2.10.2 as per the directions of Engineer In Charge	Cum	183.25			113.08	2751.49	311466.71	113.08	311466.71	
9	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 as per the directions of Engineer In Charge	Cum	120.16			80.01	5890.00	471258.90	80.01	471258.90	
10	KSRB 5.2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 - do - cement mortar 1:6 KBS 5.1.13 as per the directions of Engineer In Charge	Cum	231.13			183.88	5211.86	958335.97	183.88	958335.97	

Sl. No.	Description of work	Unit	Schedule-B Quantity	Previous Measurement		Present Measurement			Total UP-to-date		Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
11	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 as per the directions of Engineer In Charge	Cum	50.27			43.52	6217.72 6217.72	270620.05 270620.05	43.52 43.52	270620.05 270620.05	
	~~Quantity upto 125%~~	~~Cum~~	~~16.69~~			~~43.52~~	~~6217.72~~	~~270620.05~~	~~43.52~~	~~270620.05~~	
	~~Quantity above 125%~~	~~Cum~~	~~3.59~~			~~0.00~~	~~6217.72~~	~~0.00~~	~~0.00~~	~~0.00~~	
12	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, HOM curing complete as per specifications. as per the directions of Engineer In Charge	Sqm	223.44			193.44	158.76 158.76	30710.53 30710.53	193.44 193.44	30710.53 30710.53	
	~~Quantity upto 125%~~	~~Sqm~~	~~207.50~~			~~193.44~~	~~158.76~~	~~30710.53~~	~~193.44~~	~~30710.53~~	
	~~Quantity above 125%~~	~~Sqm~~	~~15.94~~			~~0.00~~	~~158.76~~	~~0.00~~	~~0.00~~	~~0.00~~	
13	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 as per the directions of Engineer In Charge	Cum	14.84			6.63	6148.55 6148.55	40764.89 40764.89	6.63 6.63	40764.89 40764.89	
	~~Quantity upto 125%~~	~~Cum~~	~~14.43~~			~~6.63~~	~~6148.55~~	~~40764.89~~	~~6.63~~	~~40764.89~~	
	~~Quantity above 125%~~	~~Cum~~	~~0.41~~				6148.55	~~0.00~~	~~0.00~~	~~0.00~~	
14	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 as per the directions of Engineer In Charge	Cum	371.74			135.80	6417.31	871446.31	135.80	871446.31	

Sl. No.	Description of work	Unit	Schedule-B Quantity	Previous Measurement		Present Measurement			Total UP-to-date		Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
15	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work TMT bars Fe500 including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.6.3 as per the directions of Engineer In Charge	Tonne	39.67			13.17	80473.44	1059841.35	13.17	1059841.35	
16	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 as per the directions of Engineer In Charge	Sqm	494.28			194.04	292.57	56770.28	194.04	56770.28	
17	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 as per the directions of Engineer In Charge	Sqm	875.06			270.98	292.57	79280.62	270.98	79280.62	
18	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 as per the directions of Engineer In Charge	Sqm	794.18			196.38	319.79	62800.36	196.38	62800.36	

Sl. No.	Description of work	Unit	Schedule-B Quantity	Previous Measurement		Present Measurement				
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost
19	KSRB 5-14.1 : Providing and constructing load bearing wall with solid concrete blocks having block of size 400x200x200mm density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4 as per the directions of Engineer In Charge	Sqm	1246.53			504.95	1034.21	522224.34	504.95	522224.34
20	KSRB15-3 : Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification. as per the directions of Engineer In Charge	Sqm	2536.01			1039.27	327.73	340599.96	1039.27	340599.96
21	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. as per the directions of Engineer In Charge	Sqm	2536.01			1039.27	98.66	102534.38	1039.27	102534.38
22	Fabricating, providing and erecting in poiston of M S Ornamental security Grill without hot dip using 75 x 12mm M S Flat for alround frame work with verticals at the centre and horizontal centere support M S Square of 20 x20 mm of different heights as shown in the drawing are to be fixed at 16 cms C/C for suqare bars of full height and at 8cms C / C for bottom rods providg ornamental C I Designers at the botom and C I arrows inthe midle and top. The entire frame work is to be mixed by means of expansion bolts to the brick pillars with necesary drillling holes. the work includes providing two coats of enamel painting over one coat of red lead ready mix primer coat etc complete cost of all labour, painting, erection charges using hoist pulleycranes etc as per specification and drawings. as per the directions of Engineer In Charge	Kgs	0.00			0.00	168.97	0.00	0.00	0.00
23	KSRB 9.4-1 : Providing Mathi/Nandi wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM complete as per specifications. Specification No. KBS 9.33 as per the directions of Engineer In Charge	Cum	0.00			0.00	71903.54	0.00	0.00	0.00

Sl. No.	Description of work	Unit	Schedule-B Quantity	Previous Measurement		Present					Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
24	KSRB 9.5 : Providing and fixing in position fully panelled Mathi/nandi wood shutters for doors, with styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34 as per the directions of Engineer In Charge	Sqm	0.00			0.00	4213.74	0.00	0.00	0.00	
25	KSRB 15-17.6 : Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications as per the directions of Engineer In Charge	Sqm	0.00			0.00	70.31	0.00	0.00	0.00	
26	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM complete as per specifications. Specification No. KBS 7.12 as per the directions of Engineer In Charge	Kgs	0.00			0.00	107.73	0.00	0.00	0.00	
27	KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. With 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm. 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal of any Specification No. KBS etc using aluminium section powdered coated to a thickness of 60-70 microns with exterior durable pure polyester grade powder of approved quality. as per the directions of Engineer In Charge	Sqm	0.00			0.00	4918.16	0.00	0.00	0.00	

Sl. No.	Description of work	Unit	Schedule-B Quantity	Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
28	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. as per the directions of Engineer In Charge	Sqm	0.00			0.00	107.73	0.00	0.00	0.00	
29	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 600 x 600 x 10mm thick fixed on existing flooring with special adhesive for flooring, skirting and jointed with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, cost of materials, mortar, labour etc., complete as per specification. as per the directions of Engineer In Charge	Sqm	0.00			0.00	1085.24	0.00	0.00	0.00	
30	KSRB 13-11 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM and testing complete as per specifications. (For 1000 litre capacity) Specification No.KBS 13.22 as per the directions of Engineer In Charge	Nos	2.00			1.00	7742.95	7742.95	1.00	7742.95	
31	Fabrication, providing and erecting in position Hot dip galvanised Gate using 72 x72 x 4mm Sq. GI Pipe frame with top pipe bending in heavy hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised Sq. rod for verticals at 150mm c/c, as shown in the drawing including providing ho dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 72x12mm and 50x6mm arch bent to hot dip galvanised flats the work is inclusive of troughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq rods, GI gorged designs etc., heavy duty hinges are made out of 75mm solid sq block assembled with 20mm dia bearing in three places for each flop. Heavy duty locking arrangements at two places including cost of labour, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the engineer-in-charge of the work.	Sqm	10.30			6.84	13098.75	89595.45	6.84	89595.45	

Sl. No.	Description of work	Unit	Schedule-B Quantity	Previous Measurement		Present					Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
	EIRL-ITEMS										
E-1	Geophysical Investigation of site for sinking Borewell for supplying drinking water to the habitation either through a hand pump, Mini Water Supply scheme, or Piped Water Supply Scheme by vertical electrical sounding by adopting venner or Schlumberger's method, including reconnaissance survey of geological formation, geophysical investigation of existing ground water in the vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation incluing an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc., complete as Per Specifications (RDWS SR -2019-20 C-13/I.13.04)	Each	1.00			1.00	3956.40	3956.40	1.00	3956.40	
E-2	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc.,complete) (RDWS G.O. Dt. 02.05-2019 Adoc Rates) C-13 I. No. 13.01 For New Borewells(For New Borewells) a) 0.00 to 50.00 mtrs	m	50.00			50.00	364.35	18217.50	50.00	18217.50	
E-3	b) 50.00 to 100.00 mtrs	m	50.00			50.00	464.10	23205.00	50.00	23205.00	
E-4	c) 100.00 to 150.00 mtrs	m	50.00			50.00	478.80	23940.00	50.00	23940.00	
E-5	d) 150.00 to 200.00 mtrs	m	50.00			50.00	562.80	28140.00	50.00	28140.00	
E-6	e) 200.00 to 250.00 mtrs	m	50.00			50.00	665.70	33285.00	50.00	33285.00	
E-7	f) 250.00 to 300.00 mtrs	m	50.00			50.00	735.00	36750.00	50.00	36750.00	
E-8	g)300.00 to 350.00 mtrs	m	50.00			0.00	866.25	0.00	0.00	0.00	

Sl. No.	Description of work	Unit	Schedule-B Quantity	Previous Measurement		Present					Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
E-9	Supply of ISI mark 175mm nominal bore,Plain end steel casing pipe -grade of steel FE-410 of Wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7mtrs .Both ends threaded confirming to IS 554/1985,one end fixed with socket confirming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonabley free from defects. The tubes shall be reasonably straight should be with ISI Marking ,Weighing 25.10kg/mtr(Inclussive of all Taxes and Duties) (PRED SR 2012-13 I/84)	m	60.00			60.00	1391.25	83475.00	60.00	83475.00	
E-10	Providing 175 mm dia MS Collar (PRED SR-2012-13 page iii item86)	Each	7.00			7.00	157.50	1102.50	7.00	1102.50	
E-11	Providing 175 mm dia MS Cap (PRED SR-2012-13 page iii item85)	Each	1.00			1.00	105.00	105.00	1.00	105.00	
E-12	Providing, supplying to work site,and fixing Submersible Pump Sets of 150mm dia suitable for bore well and confirming to IS 8034:3Phase, SS Bowl & Impeller with Low Volt motor as per specifications as per necessary ammendments and instructions of Engineer in charge of work.(RDWS SR Pg No.91 I No.12.02) a)SI.No-12.02.9 (f)---17.5 HP/26 STG 4Nos for New Borewells	Nos	1.00			1.00	82265.40	82265.40	1.00	82265.40	
E-13	Erection of pump set including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair of supporting lams, borewell cap, cable clips with bolts, nuts, valve gauges etc., involved in the job, (Necessary G.I pipe and specials will be supplied by the board at the site free of cost) (CE(M) BWSSB, letter No. BWSSB/CE (M) ACE(M)-R/TA-8/9194/2008-09 date 21/09) (PWD SR-2018-19, P-XLVII, I.4)	Nos	1.00			1.00	1890.00	1890.00	1.00	1890.00	
E-14	Supplying and Drawing 3 Core Flat PVC Shelted Submerisible Pump Cable Manufactured With Electrolytic grade copper with flexible copper conductor confirming to table 3 class 5of IS 8130-1984 and Virgin PVC insulation and Sheeated Suitable for working Voltage Upto 1100 Volts as per I-694:1990 & confirming to GTP of GROUP-A. 3C x 6.0Sqm (Page No:7 Iten No:2.6.4 ELE SR SR 2019-20)	m	660.00			660.00	330.75	218295.00	660.00	218295.00	
E-15	Providing and fixing in position 50mm nominal bore non-return valve vertical type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.(Page no.95, Item no.13.62) KPWD SR 2018-19	Nos	1.00			1.00	1412.40	1412.40	1.00	1412.40	

Sl. No.	Description of work	Unit	Schedule-B Quantity	Previous Measurement							
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	Re
E-16	Supplying and fixing 50mm GM Gate valve PWD SR 2018-19 Pg No:XXVI Item No: 661	Nos	1.00			1.00	1468.23	1468.23	1.00	1468.23	
E-17	Supplying and fixing 50mm GI Union PWD SR 2016-17 Page No: XXXIX, Item No: GI Pipe Fitting Components	Nos	1.00			1.00	234.89	234.89	1.00	234.89	
E-18	Supplying and fixing 50mm GI Elbow PWD SR 2016-17 Page No: XXXIX, Item No: GI Pipe Fitting Components	Nos	2.00			2.00	117.39	234.78	2.00	234.78	
E-19	Supplying and fixing 50mm GI Short Bend PWD SR 2016-17 Page No: XXXIX, Item No: GI Pipe Fitting Components	Nos	2.00			2.00	229.95	459.90	2.00	459.90	
E-20	KSRB13-3.1: Providing and fixing in trenches galvanised / mild steel tubes (medium grade) nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.14 / 13.6 50mm dia (Page no.92, Item no.13.15) KPWD SR 2018-19	m	310.00			310.00	431.84	133871.64	310.00	133871.64	
E-21	Supplying of TPST with rewirable porcelain channels in SM enclosure. Made out of 14 SWG powder coated paint of approved colour. (Page No-24 , Item No-5.5.1, ELE SR 2019-20)	Nos	1.00			1.00	3654.00	3654.00	1.00	3654.00	
E-22	Supplying and fixing LED Type panel board indicating lamp with required colour Suitable for 220 V AC 50Hz 12/24 V DC Group 'A' (Page No-29 , Item No-5.38, ELE SR 2019-20)	Nos	3.00			3.00	451.50	1354.50	3.00	1354.50	
E-23	Supplying, fixing, wiring, earth electrode for grounding conduits, L.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia (Page No-40 , Item No-6.1, ELE SR 2019-20)	Nos	1.00			1.00	3149.69	3149.69	1.00	3149.69	
E-24	Supplying and fixing of A class (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm dia (SR OF 2019-20 P-No 41 1/6.9.1)	m	4.00			4.00	399.00	1596.00	4.00	1596.00	
E-25	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm (Page No-40 , Item No-6.4.4, ELE SR 2019-20)	m	24.00			24.00	315.00	7560.00	24.00	7560.00	

Sl. No.	Description of work	Unit	Schedule-B Quantity	Previous Measurement		Present					Remarks
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost	
E-26	Labour charges for laying 1.1 KV class UG cable when supplied by agencies in existing trenches GI pipe/stoneware pipe/on wall/on pole as required (Page No-41 , Item No-6.5.1, ELE SR 2019-20)	m	24.00			24.00	12.39	297.36	24.00	297.36	
E-27	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps,bolts, nuts, washers etc. 16Sqmm (Page No-41 , Item No-6.5.1, ELE SR 2019-20)	Nos	1.00			1.00	648.90	648.90	1.00	648.90	
E-28	Supplying and fixing of Porcelain fuse channel with cut-out on existing / new wooden panel using necessary nuts,bolts and washers etc. 32Amps (Page No-25 , Item No-5.7, ELE SR 2019-20)	Each	6.00			6.00	238.35	1430.10	6.00	1430.10	
E-29	Supplying and Fixing angle iron Frame Work Fabricated out of MS Angle iron and MS flat With Bolts, Washer etc., and Painted with 2 Coats of red Oxide and Then Two Coats of Approved Paint 40X40X 6 mm (Page No-30 , Item No-5.41.1, ELE SR 2019-20)	m	5.00			5.00	267.75	1338.75	5.00	1338.75	
E-30	Supplying Fully Automatic Star- Delta Starter Unit Push Button Type With Suitable Wires 3 Contractors, One Adjustable Thermal Timer Mounted on a Common Base Plate held in Steel Enclosure For Use on 400/440 Volts 3 Phase and Wired after Fixing to the Exisiting Wooden Board For Motor, Above 12.5 HP upto 25 HP (Page No-24 , Item No-5.2.2, ELE SR 2019-20)	Nos	1.00			1.00	8400.00	8400.00	1.00	8400.00	
E-31	BESCOM Deposit charges and misc	Ls	1.00			1.00	15000.00	15000.00	1.00	15000.00	
E-32	Providing and Installing at site of work P.V.C.pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line,level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15 cms with gravel or selected earth available from the excavation etc.complete PVC pipes of 6 kg/cm2 63mm dia ,	m	100.00			70.00	117.60	8232.00	70.00	8232.00	
E-33	Providing and fixing chorinated poly vinyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete. (external work) 20mm nominal OD pipe. (KPWD SR 2018-19, Page No.99, Item No.13.87.2)	m	50.00			50.00	162.50	8124.90	50.00	8124.90	

Sl. No.	Description of work	Unit	Schedule-B Quantity	Previous Measurement		Present Measurement				
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost
E-34	KSRB 10-3 : Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick joint less cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test including cost of materials, labour complete as per specifications. (KPWD SR 2018-19, Page No.68, Item No.10.2)	sqm	22.36			22.36	1106.32	24737.36	22.36	24737.36
	Sub Total Amount							6545837.00		6545837.00
	Add 12.0% towards GST Charges							785500.00		785500.00
	Grand Total Amount							7331337.00		7331337.00

Certificate

1 The above work has been Completed satisfactorily

2 The debris has been removed and disposed from the work spot

3 No. departmental issues are made to the contractor

Assisstant Engineer
Ward No.02
BBMP

Assisstant Executive Engineer
Yelahanka Sub Division
BBMP

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore